PAT'S PATTERNS

for Knitting machines

Patterns to fit you, no matter how you are built!

ISSUE #58 APRIL, 1985

CONTENTS

CHILDREN

Child's 4 Ply Pullover (Blystone) 14

INFANTS

Blanket for Baby (Rago) 20

TECHNIQUES

Diagram Charting (Wetzel) 18
Kitchener Stitch (Wetzel) 11
Knitting and Programming Your SK560 (Ballinger) . 8
Rib Smocking (Stewart) 21

UNISEX

Mittens (Chamberlain) 3

WOMEN

Diagram Charted Pullover (Wetzel) 18
Dolman Fashion (Wetzel) 4
Easy Boat Neck Blouse (Wetzel) 17
Smocked Sweater with Pearl Trim (Stewart) . . 21

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Pat's Patterns is published monthly by Patricia Wetzel, R.D.#3, Box 253, Indiana, PA 15701. Phone (412)463-8060. Subscription rates: one year $14.40 in the USA; $21.00 in US funds for all other countries or for first class mailings in the US.

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DO NOT ORDER THESE:

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Mostly Misses
Portable Patterns
Passap for Beginners

March 14,1985

Today it is cold and snowy, but yesterday was sunny. Fickle Spring has taken away the chickadees and brought the robins and mud. Green would be so nice!

If you don't learn something from this issue, you are not reading! We don't have a lot of knitting patterns this time, but what a wealth of techniques. I tried to explain how to do kitchener stitch via telephone a few days ago. My article on the subject should make it easy for anyone to understand.

Well, my knitting suffered again this past month, since I had to learn how to use our video equipment. The VHS tapes that I am producing are fantastic. Be sure you order and use them. By the time you work your way through all the tapes in the series you will know as much about machine knitting as I. This new project has really excited me, since the tapes will fill a definite need. Now you have no excuse for not learning all the "how-to" of our art. It won't take me nearly as long to produce each of the next tapes in the series, since I am now adept at using the camera and VCR. Besides, I have completely exhausted my supply of knitting patterns. Thus, knitting is now a priority.

Have you seen or gotten one of the new chunky km's? The Studio/Singer/Knitmaster/Empisal is just like the 360, except for the 9mm needle spacing and 12 stitch patterns. It does fair isle, tuck, slip, weaving, and punch lace. Now that's a chunky! Make me an offer on my "almost new" 150 plus ribber.

You can't know how much I appreciate and glory in the lovely comments you send my way with your renewals. We think we have the best newsletter going, but it surely is nice to "hear" you say so. You make it hard for me to be humble. Incidentally, we take your suggestions for articles and garment ideas to heart and will try to include many of them in upcoming issues.

I thought for sure we would get a pretty pattern from Patty Zaccagnini for this issue, since she is so well organized. But I'll bet she is learning that a new baby requires lots and lots of loving attention. Speaking of babies - I just learned that our grandson, Mathew, is learning to walk. He just turned 8 mos, so that is a real accomplishment. Proud? Not I!

I leave tomorrow afternoon for a week-end of Sweet Adeline's competition in Youngstown, OH. Prior to leaving I have about five baskets of laundry to do, shopping, and mail to catch up. Much as I enjoy chatting with you, I must busy myself with those chores. We will talk with you again next month!

Pat

Joyce Chamberlain
R.D.#4, Box 201
Dallas, PA 18612

MITTENS

These warm mittens are almost completely finished on the machine!

Yarn: double strand of worsted (4 ply)
Tension: 10
Gauge: 4 sts and 5.5 rs = 1"
Machine: bulky/chunky with 9 mm spacing
Size: 7½" palm (add or subtract 4 sts for larger or smaller size)

CO 31 sts for 1x1 rib. T 9 work 18 rows rib. Scrap off in 2 sections - 16 sts and 15 sts. Rehang the 16 sts onto 11 needles, decreasing across by hanging 1 single st, then 2 sts tog.
RC000.
T 10 knit 3 rows; FF inc 1 st both sides of EOR 2x. FF inc 1 st on the thumb side (outside edge) EOR 2x. Knit 3 rows. RC12 now.

THUMB - RC000. Place 12 needles farthest from cam to HP. 5 sts rem for thumb. Knit 10 rows. TIP - Place 1 needle on cam side to HP ER for 4 rows. Return 1 needle on the cam side to upper working position ER for 4 rows. RC000. Knit 10 rows, seaming as you go, both sides of thumb. When doing this, look for the first know st on cam side that you're sure of (about ½" below needle) and hang the loop st that's directly above it onto the end needle. Knit 1 row. Repeat on the other side, again hanging the loop st. After these first 2 rows these loop sts will always be below the first knot st that you're sure of and always about ½" from the needle.

To close the hole found at the base of the thumb pick up 1 more loop st off the thumb edge in the space between the palm sts and the thumb sts. Also, reach over to the first palm st and pick up the st below it (like an inc) and hang that, too, onto the needle. RC000. Knit 1 row over all needles. Remove the 3 outside thumb sts onto scrap yarn. Knit 15 more rows.

TIP - Set cam so HP needles do not knit. RC000. Bring 1 needle on cam side to HP, knit 1 row, 10x. Reverse by returning 1 needle to upper working position on cam side ER until all needles are in WP. RC000. Knit 15 rows, seaming as you go, the same way that you did the thumb. After the last loop st and before knitting eh next (16th) row, rehang the 3 thumb sts from the scrap yarn. Knit 1 row. RC000. Knit 3 rows, continuing seam as you go. Dec 1 st thumb side EOR 2x. Dec 1 st both sides EOR 2x. Knit 3 rows. RC13. Scrap off.

Free pass to other side. Turn mitten inside out and rehang mitten sts onto needles, right side facing you. Rehang the other half of the cuff on the 11 needles as follows: pick up the middle st of the cuff at the fold. This is at the very center st of the cuff - the one that has been used to

to page 9

Patricia Wetzel
R.D.#3, Box 253
Indiana, PA 15701
(412)463-8060

DOLMAN FASHION

Yarn: about 16 oz. Tamm Diamante
Gauge: 32 sts and 50 rs = 10 cm
Tension: try 5
Sizes: XS,S,M,L,XL

NOTE: Begin by matching our stitch gauge. T 5 CO 100 sts and knit 6 rows. Push the carriage just onto the edge of the knitting and place a dark dot on the yarn about 1" above the yarn feeder. Stretch the yarn while making a second dot 16½" above the first dot. Continue to knit that row. Count the stitches between dots (drop anything less than 1/4 stitch, count any 1/2 stitch). If you count 32 sts between dots, your gauge matches. If you have more than 32 sts between dots, unknit that row and try again (and again) using a larger number until your gauge matches. If you have less than 32 sts between dots, unknit that row and try again using a smaller number. Use the stitch size that you have determined needed to match that stitch gauge.

LEFT BACK

Using scrap yarn, cast on 170 sts and knit several rows to end at the left. Knit 1 row ravel cord. COR. Insert main yarn. RCOOO. Knit even for 56 rows.

** RCOOO. Knit to row 6. Make a 2x1 cable twist thus: at the left take the 2nd stitch off on a single prong tool and the 3rd and 4th off on a double prong tool. Place the single stitch onto the 4th needle, then replace the two sts onto the 2nd and 3rd needles. MAINTAIN THIS EVERY SIXTH ROW CABLE TWIST ALONG THE LEFT EDGE TO THE END OF THE SLEEVE.

AT THE SAME TIME: work decreases at the left : using a 7 prong tool lift the edge 7 stitches off the needles, then replace these stitches after moving two spaces to the right (the 6th and 7th needles from the edge will now each have 2 sts on them). WORK THE DECREASES ACCORDING TO THIS FORMULA:

XS: ev 9th row 2x, then ev 10th row 2x
S: ev 11th row 2x, then ev 12th row 2x
M: ev 14th row 4x
L: ev 16th row 2x, then ev 17th row 2x
XL: ev 19th row 4x.

The last decrease of this "shoulder" section is done on row 38,46,56,66,76. COR.

Bind off 18 stitches at the right for the beginning of the underarm sleeve. RCOOO.
Continuing with cables as established, continue to decrease two stitches as before (with 7 prong tool) at the left side thus (for all sizes): every 16th row 5x, then every 17th row 7x.

AT THE SAME TIME do double decreases at the right side according to this formula for all sizes:

every 2nd row 20x
every 4th row 10x
every 6th row 7x
every 10th row 7x.

The last left decrease is at row 199. (The last right decrease row was 192). Knit 1 more row.

Scrap off these remaining 34 sts. **

RIGHT BACK

Wrong side facing you, pick up all 170 main color stitches from the beginning ravel cord. Place carriage at the left to begin. Omitting the cast on instructions, work this half of the back as for the previous half, reading "left" for "right" in the directions and "right" for "left".

RIGHT FRONT

Using scrap yarn cast on 96 sts to the right of Ø and knit 6 rows to end at the right. Knit 1 row ravel cord. COL. Slide carriage far to the left and bring forward 74 needles to the left of Ø. E-wrap cast on these needles (working from left to right). Insert yarn into carriage and set carriage for partial knit [we don't want these stitches just cast on to knit] and knit 1 row to the right. Now all 170 needles have main color yarn in them and COR. RCOOO.

Shape front vee neckline by short rows - Place all needles at the left of Ø in HP except the 4 nearest Ø. *Knit to the left then place the last needle that knitted into HP for an automatic wrap and knit to the right.* Repeat from * to * with 4 needles until 18 needles closest to Ø are in WP, then continue, using 3 needles. End at row 56 and the COR. All needles are in WP. Reset carriage for normal knitting.

Work the same as LEFT BACK from ** to ** of those instructions.

LEFT FRONT

Having the wrong (purl) side facing you, pick up all 96 sts from ravel cord of the just completed right front, placing those stitches to the left of Ø. Place the carriage on the right side of the bed and set it for partial knitting. Bring up 74 needles on the right of Ø and e-wrap cast on from right to left. Insert yarn into carriage and knit across the 96 body stitches. COL. Continue from that point to shape the front neck by short rows, on to the conclusion of this remaining half of the sweater front. Again, read "left" for "right" and "right" for "left" throughout.

FINISHING

Begin by sewing one long upper sleeve seam. The neckband is done in two parts. One part is for the back neck and along one side of the vee. The other part is for the other side of the vee. You need 72 stitches for the back neck and, also, for each side of the vee. To knit each section: Cast on with scrap and knit several rows. Knit 1 row ravel cord. With main yarn knit 4 rows at MT; 3 rows at MT-1; 6 rows at MT-2; 3 rows at MT-1; 4 rows MT. Hang a hem from the first row of main color. Hang the appropriate neckline stitches on the same needles (right sides together and three stitches on each needle) and bind off. When both sections of the neckband are completed, sew the other long upper sleeve seam.

Cuff: Having the purl side of the lower edge of the sleeve facing you, pick up 66 stitches (each of the center 2 needles will have 2 stitches on them, due to the seam). Transfer stitches for 1x1 rib. MT-3 knit 26 rows. T 10/10 knit 1 row. Break yarn and transfer all stitches to the main bed, then cast off. Work the other cuff the same.

Lower bands: Wrong side of back or front facing you, pick up about 120, 132,144,156,168 stitches along this edge. Knit one row. Transfer stitches for 1x1 rib. MT-3 knit 38 rows. T 10/10 knit 1 row. Break yarn. Transfer all stitches to the main bed and cast off.

Join side and underarm seams. Sew neckband seam. Tack one side of neckband at vee in place over the other.

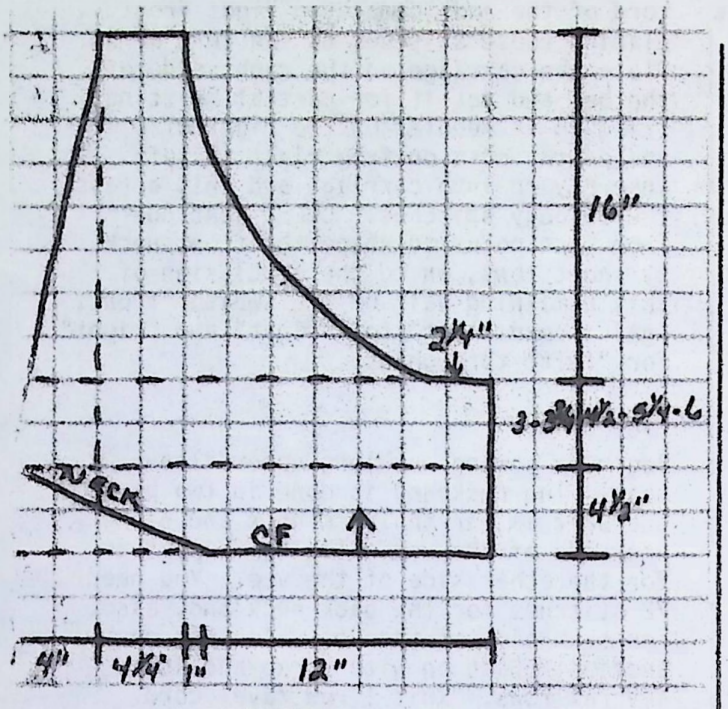

FIGURE A

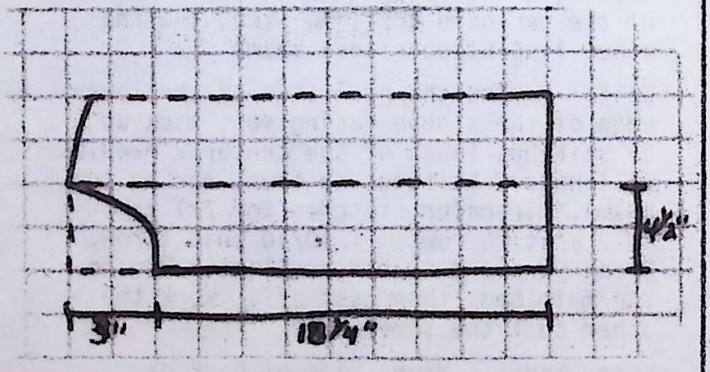

FIGURE B

For those of you who prefer to work from a diagram, or like to draw you own pattern chart, the diagram in figure A at the left shows you the basic measurements for this lovely dolman sleeve pullover. Since it is not drawn strictly to scale, however, please don't take the under-arm shaping too literally.

Figure B shows how the basic pattern can easily be altered into a round neck design. We just show the neck and shoulder area, since only the neckline is different from the original vee neck version. To knit this style 146 stitches are cast on with scrap and ravel cord to end at the right for the piece as shown. Then, RC000 knit 22 rows even. At the left increase 1 stitch for the neckline every-other row 16 times, ending with row 54. Knit to row 55 and cast on 9 stitches at this (left) side. Knit 1 more row to end at the right and RC56. You should now have a total of 170 stitches. The remainder of the front/s is/are done the same as the other version, and the back is exactly the same as the original. The neckline is 20½".

This sideways knitted pullover has so much potential for creative designs! I can "see" so many interesting things to do in the center front and center back areas: fair isle border designs, mirrored fair isle patterns, stripes, piping, lace. The possibilities are almost endless.

I WANT A CONTEST!

Send me the details of the way you adapted the dolman sweater, using one of the ideas above or your own. Get them to me by July 4, 1985. Maybe we will print all the best ideas. For sure, the winner will receive $15.00.

You can't win if you don't try!

Pat Wetzel, R.D.#3, Box 253, Indiana, PA 15701

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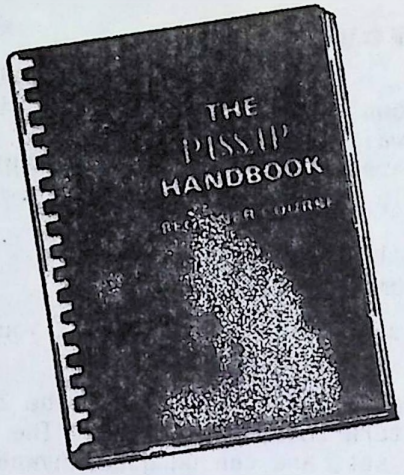

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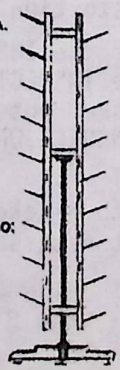

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Knitting and Programming Your SK560

OK, so you brought your SK560 home and sat down to knit all those beautiful patterns, but a maze of buttons and lights await you. You have a slew of orders to get out and the only thing you are producing is FRUSTRATION!! Perhaps the following hints and tips will help you.

1. First things first - plug everything in! You'ld be surprised how many knitters forget this (especially when switching from lace to main carriage).

2. Experiment on a swatch first. Sometimes the design is not quite what you thought and sometimes new designs are created by experimenting.

3. POINT CAMS - Compare these to margins on a typewriter and there must be 2 in use, although 4 may be used for 2 sets of a pattern that are divided. The pattern will only be allowed to appear inside of a set, and can be used anywhere on the needle bed.

4. When you must move the POINT CAMS, move the one opposite the carriage only. If the cam next to the carriage is moved, the pattern will be distorted, even if NEEDLE 1 is used.

5. When knitting, the carriage must completely pass over the left and right POINT CAM every row for the pattern to be maintained. The pattern will occur even if the actual knitting is inside or outside the set of POINT CAMS.

6. When the NEEDLE 1 is not used, the left POINT CAM is appointed the first needle position. Get in the habit of always using the NEEDLE 1, since if the machine is dirty or dusty this appointment may not occur. Also, POINT CAMS might need to be moved to accommodate the shaping and the NEEDLE 1 will maintain the pattern.

7. Do not hold the carriage in between the POINT CAMS for more than 30 seconds or the pattern will be disturbed.

8. Once a NEEDLE 1 is placed it must not be moved, or the pattern will shift out of place.

9. NEEDLE 1 may be on the outside of a set of POINT CAMS, but the carriage must pass over it every row for the pattern to be maintained (example: a v neck).

10. Knit evenly and listen for the "click-click" every row. This is the scanner reading the next row. If this sound is not heard, you may have not passed over the POINT CAMS. Also, the pattern card will not advance.

11. When you hear the "beep" this indicates that one more row is left in the pattern and it will repeat. After this row, pause for a second, until the card returns and "click-click" is heard. If you do this too fast the scanner will be trying to read a moving card and distortion will occur.

12. The card will advance by itself only if the INSPECTION LIGHT is off. If you need to rip out or repair a jam turn the INSPECTION LIGHT on. Unravel back, keeping track of how many rows were taken out. Manually turn the card back for that number of rows and turn the INSPECTION LIGHT off so the card will advance again.

13. When motif knitting, there is no need to blacken any areas in the instruction columns. Usually a repeat of a motif is not necessary, although you might

make a mark in the buzzer column to tell you when you are done. You will also see that no further patterning is occurring.

14. When knitting upside down using the pre-inked pattern cards, you will not be able to start on that last row as the instruction column sends it to the beginning row. Before starting, just turn the dard down one row below the ending row and this "instruction" will be by-passed. You will lose that end row and sometimes this makes a difference in the pattern. Do some duplicate stitching later if needed. Also note that there won't be a buzzer sound at the end of the pattern and it will simply start over knitting right side up. Make a mark in the notation column for that first row and watch for the reverse direction of the card.

15. Let the electronics tell you when it is time to do cables or manual designs. Use the buzzer column and the instruction column to repeat the card. It doesn't matter if a design is on the card or not, as long as the carriage is set for stockinet knitting. When you hear the buzzer do the cable. This will free you to think about the shaping, etc.

16. You can make use of all that blank space on the right side of the pattern card, but only for motif use. Set width indicator to include images on both sides. Set the POINT CAMS for as far apart as the image on the right is wide. Put NEEDLE 1 at the same point as the RIGHT POINT CAM. Push mirror image light on. The image can be pointed right or left using light #2.

17. When using the electronics 2 lights are always on. Light #1 (negative or positive) and light #2 (direction of image). Light #1, negative, is used for tuck, slip or double jacquard. Light #1, positive, is used for weaving and laces. EITHER light can be used for fairisle, depending on the effect you want. Light #2: if the coffee cup handle is on the right the image will appear as it appears on the card. If handle is on the left, the image will face the opposite direction. NOTE: When knitting lace be very sure the correct light is on. If not, the plain lace will be changed in appearance and the fashion lace will have holes.

18. If you take the carriage off the needle bed to clean it while pattern knitting put the INSPECTION LIGHT on and free pass over and back to tell the carriage where the NEEDLE 1 and POINT CAMS are. Remember a "click-click" means the carriage knows what to do on the next row, but it needs to know <u>where</u> to do it.

19. Keep your electronic machine very clean and dust free. Improper selection may occur if dust blocks the sensors on the back of the carriage.

20. I recommend the electronic <u>Instructor's Aid</u>, available through your local Studio dealer. It is very helpful and there is a trouble shooting section.

MITTENS (continued)

knit the mitten. Hang it onto the first needle. Hang the next 2 sts onto the next needle. Now, hang a single st onto the next needle, then a double st. Repeat this single st/double st pattern across the needles until all the sts have been hung. Remove the old scrap yarn. Knit 1 row. BO using only 1 strand of yarn. Cut this BO strand and fasten off. Cut the other strand, leaving an 18" tail. Use this tail to sew the cuff seam.

Knit the second mitten starting with the cam at the offpsite side and making the thumb on that side.

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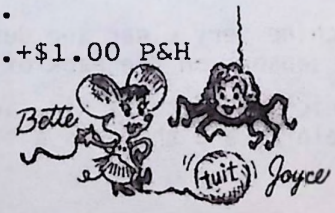

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KITCHENER STITCH

There are times when it is desirable to achieve a totally invisible seam when joining stitch to stitch. Those are the times that you will need to know how to do the kitchener stitch. You might want to use this method of seaming when joining shoulders and/or when joining the beginning to the end of a sideways knitted skirt. In any case, when using this method of weaving to join sections, you will actually be forming a complete row of either knit or purl stitches as the joining.

The edges to be joined will be held on scrap yarn, not bound off. You can choose to do the work with the right(knit) sides up, doing the knit kitchener, or, you can work with the wrong(purl) sides up, doing the purl kitchener. Regardless of which method is chosen or necessary, the scrap yarn is folded to the knit side.

Let's examine some detailed drawings which show how to perform all possible usages of the kitchener stitch method of joining knit pieces or edges stitch to stitch.

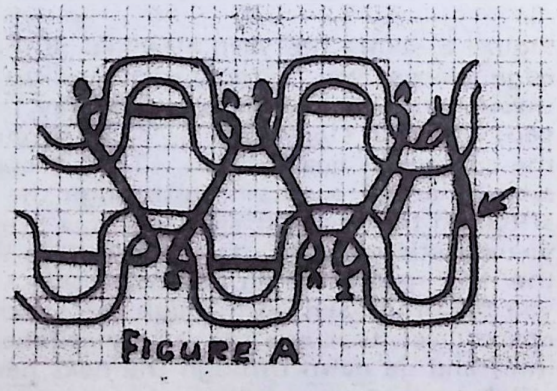
FIGURE A

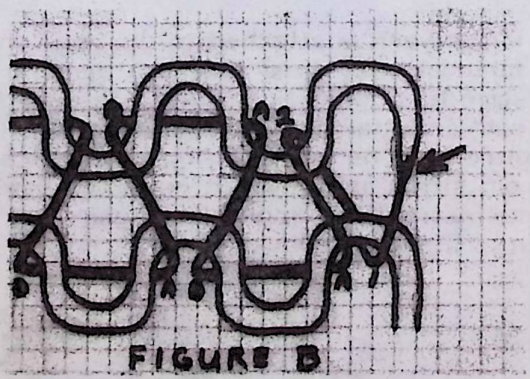
FIGURE B

KNIT KITCHENER

Figures A and B at the left show the two possibilities of working with the knit sides of the edges facing up. In figure A the yarn tail is fastened to the edge nearest you. In figure B the yarn tail is fastened to the edge farthest away from you.

In both of these cases the arrow shows where the yarn tail is attached to the knitting. Thread this tail into a tapestry needle and procede to "weave" the row of stitches in this manner: for figure A you first go down the the end stitch on the far side, then up through the end stitch nearest you (steps 1 and 2 on the diagram). Then you repeat steps A and B across the piece by going down through the stitch on the farthest side that was previously stitched into, and coming up through the next new stitch on that same side. Then, you take the yarn down through the stitch nearest you that was previously stitched into, and come up through the next new stitch on that same side.

After doing steps 1 and 2, then, you can sing this little ditty as you sew: "down through the old stitch and up through the new".

If, however, the yarn is attached to the edge that is farthest away from you, you perform the same functions, but reverse the words "nearest" and "farthest" in the instructions. Just follow the steps in the diagram of figure B.

IF YOU ARE LEFT-HANDED, the same instructions apply, but you are working from left to right. See figures C and D below.

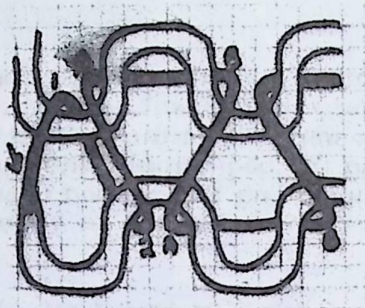

FIGURE C

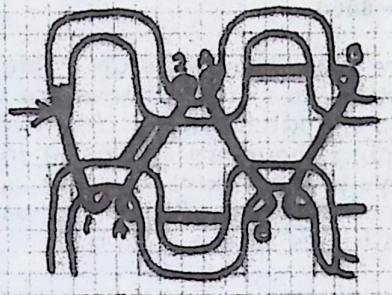

FIGURE D

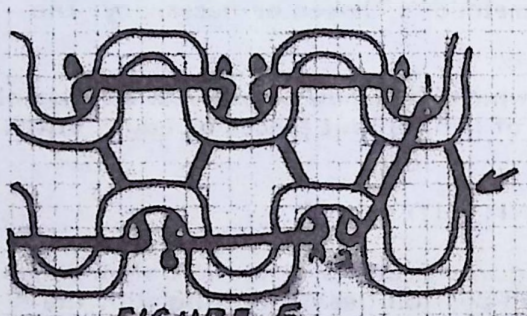

FIGURE E

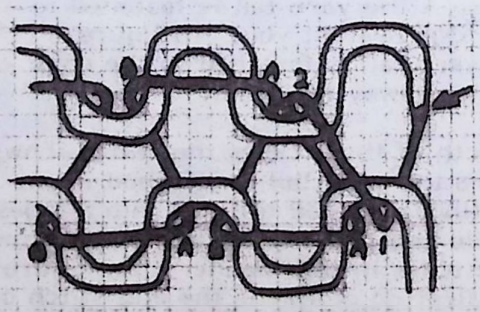

FIGURE F

PURL KITCHENER

This is done with the purl sides of the pieces facing up. Look at the diagrams and you will quickly see how the stitching differs.

Figure E shows the yarn attached to the edge nearest you. Step 1 you come up through the end stitch farthest away from you, then for step 2 you go down through the end stitch nearest you. Then, repeat steps A and B across: up through the stitch on the farthest side that was previously stitched into, and going down through the next new stitch on that same side. Then, you take the yarn up through the stitch nearest you that was previously stitches into, and go down through the next new stitch on that same side.

If the yarn is attached to the edge that is farthest away from you, you perform the same functions, but reverse the words "nearest" and "farthest" in the instructions. Just follow the steps in the diagram of figure F. The ditty to sing when working purl kitchener is: "up through the old stitch and down through the new".
IF YOU ARE LEFT-HANDED, the same instructions apply, but again you are working from left to right. See figures G and H below.

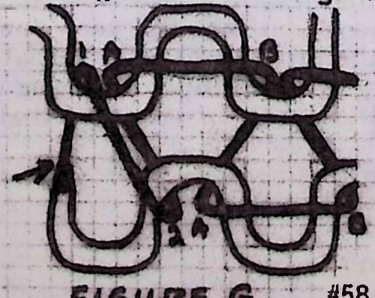

FIGURE G

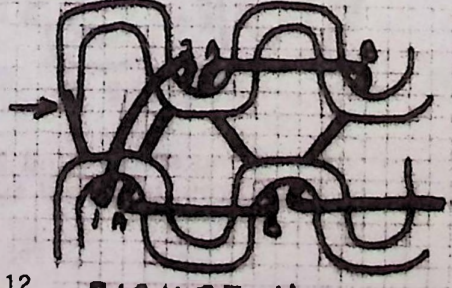

FIGURE H

NOMIS YARN

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****

PATTERN CORECTION

We try to always be sure our patterns are correct, but we are human and, unfortunately, sometimes make mistakes.

MAN'S HEATHER PULLOVER - #56, February '85, page 13.

The front neckline shaping that I gave you was for a true v-neck. So if you do not scrap off the center front 20 stitches, you would have the true vee. However, for the collar given, those center 20 stitches must be scrapped off, which changes the front neck shaping. So, take off those 20 stitches, then, tape or glue this corrected front neckline shaping in place over the original copy:

> size and, AT THE SAME TIME decrease 1 stitch at the neck-line according to size: every sixth row 12,10,7,17 times, then every seventh row 3,6,10,1 time.

I am truly sorry for any inconvenience this error may have caused you!

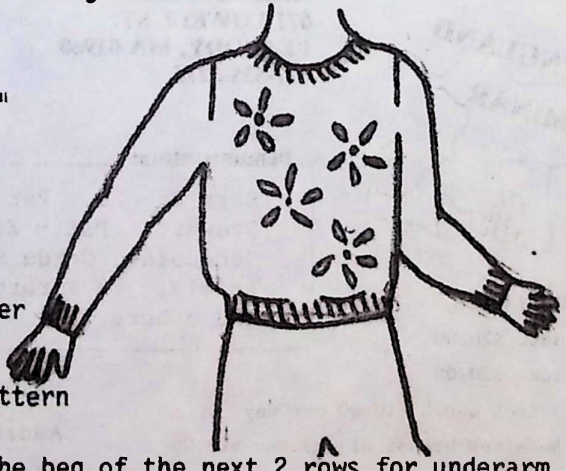
****

Lois Blystone
R.D.#1, Box 199
Creekside, PA 15732
(412)397-2671

CHILD'S 4 PLY PULLOVER

I use this basic pattern a lot when I need quick gifts. For the boys I usually put cables on the front or add some stripes. For the girls make CC popcorns and embroider flower petals around them, do a simple hand transferred lace pattern or a monogram.

Machine: 9 mm chunky
Yarn: worsted (4 ply)
Gauge: 4.12 sts and 6.375 rs = 1"
Tension: 5
Child's sizes: 8,10,12,14



BACK

Cast on 54,58,62,66 stitches for 1x1 rib and knit 12 rows. Transfer all sts to the MB.
RCOOO.
Knit to row 58,64,70,78 in the pattern of your choice.
RCOOO. Bind off 2,3,3,4 sts at the beg of the next 2 rows for underarm. Continue to knit, decreasing 1 st each side of EOR 2,3,3,3x. Continue even to row 38,42,44,48. Bind off the center 20 sts and scrap off each set of shoulder sts.

FRONT

Work the same as back through the armhole shaping. When shaping is complete, knit even to row 20,22,26,28.

Shape front neck - RC000. Bind off the center 10 sts for all sizes. Divide the work and dec 1 st at neck edge every row 5 times for all sizes. Continue to row 20. Scrap off the remaining shoulder stitches. Work the other side to correspond.

Join one shoulder seam.

NECKBAND

Cast on 60 sts for 1x1 rib and knit 8 rows. Transfer sts to MB. Hang the neck sts from the sweater on top of these needles, purl side toward you, and bind off.

Join the other shoulder seam.

SLEEVE

Pick up 50,54,56,60 sts from the arm edge. Put all needles in HP except the center 20. Knit, putting 3 needles opposite the carriage in work every row until all needles are in work.
RC000.
Knit, decreasing 1 stitch each side of every 10th row to the desired length (lengths include the ribbing):

12" - 64 rows
13" - 70 rows
14" - 77 rows
15" - 84 rows.

Reduce to 37 sts and knit 1 row.
Trnasfer for ribbing and knit 14 rows.
Bind off loosely.
Repeat for the other sleeve.

FINISHING

Join side, underarm, and neckband seams.

BOOK REVIEW

BOOK REVIEW

BOOK REVIEW

Patricia Wetzel
R.D.#3, Box 253
Indiana, PA 15701
(412)463-8060

Seems it has been months since we have had a book to review for you. But the wait was well worthwhile! Novice Passap owners should sit up and take notice. Bernadette Ernakovich has painstakingly prepared a beginners' handbook that will familiarize you with your machine. This 153 page book is printed on heavy paper and features plastic protective covers. The spiral binding makes this book a joy to use. Other features include large, dark print and excellent photographs.

Part I of the book gives very detailed step-by-step instructions for the knitting of several garments. Part II explains all of the needle, handle, and pusher positions as well as the uses of the strippers. She concludes this section with a concise declaration of the x-dial of fancy stitches.

Bernadette's ad for this $29.50 book appears elsewhere in this issue - look for it! Follow-up chapters that will be published later include one each on banding, the deco, shaping, and intarsia. We will watch for them.

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STRICTLY FOR BEGINNERS

Patricia Wetzel
R.D.#3, Box 253
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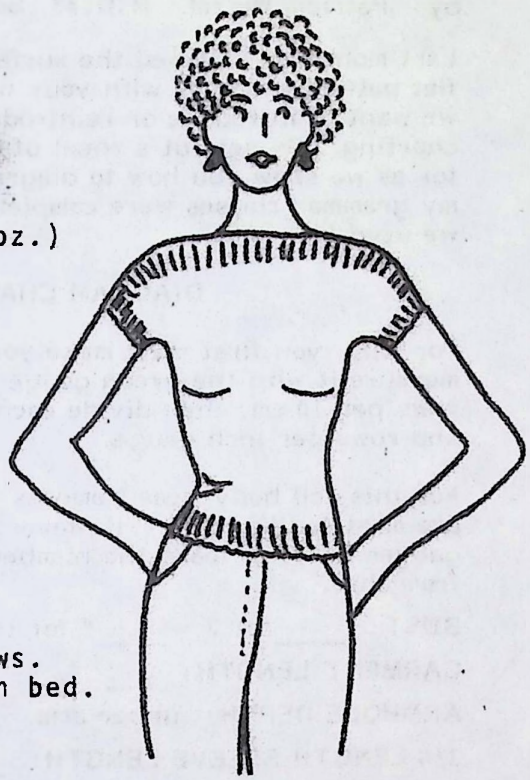
(412)463-8060

EASY BOAT NECK BLOUSE



Yarn: Millor Tepeyac (about 10 oz.)

Gauge: 33 sts and 50 rs = 10 cm (about 4")

Tension (stitch size): Try 5

Sizes: S,M,L,XL to fit busts from 32" to 46"

BACK AND FRONT
(make two pieces alike)

T 0/0 cast on 144,160,178,194 stitches for 1x1 rib.
RC000.
T 1/1 knit even in rib for 50 rows.
Transfer all stitches to the main bed.
RC000.
T 5 knit even to row 112.
Put a marker in each edge stitch for underarm.
RC000.
Knit even to row 62,68,74,80. Transfer stitches for 1x1 rib.
RC000.
T 1/1 knit even to row 24.
T 10/10 knit 1 row.
Transfer all stitches to the main bed. Cast off.

Sew shoulder seams, leaving an opening for the head.

ARM BANDS

T 1/1 using scrap yarn, cast on 108,116,124,132 stitches for 1x1 rib and knit 5 rows. Break yarn. Insert ravel cord and knit 1 row.
RC000.
Drop ravel cord. With main yarn knit 36 rows. Transfer stitches to the main bed. Hang a hem from each main color stitch from the first row of main color. With the wrong side of the garment facing you, pick up stitches between markers. Each needle contains three stitches. Bind off.

FINISH by sewing arm band and side seams.

ALL ABOUT CHARTING

by: Patricia Wetzel - R.D.#3, Box 253 - Indiana, PA 15701 (412)463-8060

Last month we skimmed the surface to get you started drawing your own flat patterns for use with your neglected charting devices. This month we want to introduce or reintroduce you to the joys of mathematical diagram charting. So get out a sheet of quadrille paper, a pencil, and your clacula-tor as we show you how to diagram (I thought I left diagramming when my grammar classes were completed!) the same boat neck pullover that we used last month.

DIAGRAM CHARTED PULLOVER

For this, you first must make your tension swatch. After laundering, measure it with the green gauge to determine the number of stitches and rows per 10 cm, then divide each of those by 4 to learn the your stitches and rows per inch gauge.

For this, all body measurements will be in inches, since that is what we are most familiar with. However, we could just as easily divide the original gauges by 10 to learn the number of stitches and rows per 1 cm, then work from that.

BUST: _____" : 2 = _____" for the width of front/back.

GARMENT LENGTH: _____".

ARMHOLE DEPTH: upper arm _____" : 2 = _____" + 2" = _____"

3/4 LENGTH SLEEVE LENGTH: _____"

CUFF CIRCUMFERENCE: Measure around arm below elbow _____" + 1½" = _____"

OVERALL BACK SHOULDER WIDTH: _____" - 10% _____ = _____"

NECK OPENING ALLOWED: 9"

SHOULDER SLOPE ALLOWED: 1"

RIBS: 3"

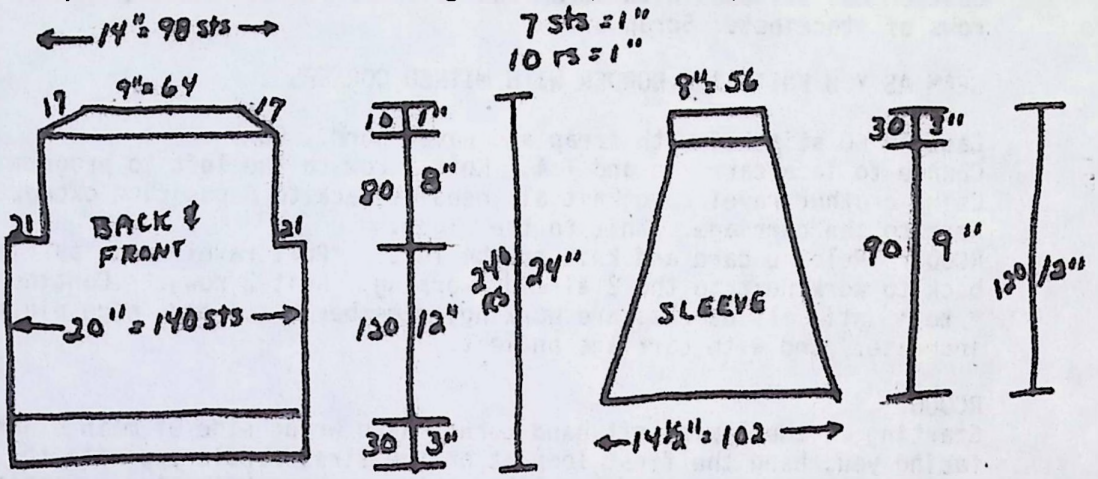
WIDTH OF SLEEVE AT TOP: armhole measurement above _____" x 2 = _____" - 1½" = _____"

Insert all width and length measurements at the place indicated on the diagram which you draw for yourself. On the next page we created a diagram complete with measurements and calculations as an example for you to follow as you work through yours.

Now, perform the basic calculations. Bust width times sts per inch equals stitches to cast on. Overall shoulder width times sts per inch equals the number of sts remaining after underarm sts are scrapped off. Bust width sts minus overall shoulder width stitches, divided by two equals the number of stitches for each underarm. Neck opening is 9" times stitches per inch. Each shoulder is the overall shoulder width stitches minus neck stitches divided by two. Sleeve width times stitches per inch equals stitches to pick up for the width of the sleeve. Cuff width times stitches per inch equals the cuff stitches needed after all decreasing has been done.

That takes care of the horizontal (width) measurements. Now, let's figure the vertical (length) measurements. For these we must use our rows per inch gauge. Garment length times rows per inch equals total rows to knit. Armhole depth times rows per inch equals the number of rows to knit above the armhole scrapped off stitches to the shoulder line. Ribs are 3", so 3 times rows per inch equals the rows to knit for ribbing. The shoulder slope is 1", so allow 1" of rows for this. Add up all the individual length measurements and subtract that total from the total inch length of your garment. Multiply that number times rows per inch for the length needed from above the ribs to the underarm. OR, subtract all known rows from total rows to get the above ribbing to armhole rows.

My sample, shown below, should agree with yours in spirit.



Please notice that I always keep all stitches and rows an even number (divisible by 2) except the number of armhole and individual shoulder stitches.

All we must do now is use our "rule of plus 1" to determine the shoulder and sleeve shaping.

Shoulder shaping: since we only put needles into hold every-other-row, this means that shaping is performed on half the rows in that inch, or 5 rows. So, we divide the shoulder stitches by 5 to find out how many needles must be placed into hold each time.

```
   3 + 1        A        B
5/17      hold 4 needles 2 times
 -15      hold 3 needles 3 times
  2             ↑C       ↑D
```

← this is our shoulder shaping

A = quotient plus 1
B = remainder
C = quotient
D - divisor minus remainder

PROOF: B + D = the divisor; (A x B) + (C x D) = the dividend

Sleeve shaping: We started with 102 stitches and want to begin our cuff with 56 stitches. 102 - 56 = 46 stitches to decrease, 23 along each side of the sleeve. We have 90 rows in order to accomplish all those decreases. Again, we use the "rule of plus 1":

```
   3 + 1     A        B
23/90    dec ev 4th row 21 times
 -69      dec ev 3rd row 2 times
  21            ↑C       ↑D
```

This is an abbreviated example of another aspect of EASY FLAT PATTERN AND DIAGRAM CHARTING, available for $9.00 + $1.10 p/h from Pat.

Doris Rago
223 Old Mill Road
Apollo, PA 15613
(412)727-3764

BLANKET FOR BABY

Yarn: double strand of 2/24
Tension: 5 with main carriage; 4 with lace carriage
Lace card: Studio #2 or any simple lace pattern
Gauge: about 8 sts and 12 rs = 1" (not crucial)

MAIN PART OF BLANKET

Cast on 200 stitches with scrap and ravel cord. With main yarn knit 350 rows of stockinet. Scrap off.

SEAM AS YOU KNIT LACE BORDER WITH MITRED CORNERS

Cast on 60 stitches with scrap and ravel cord. COR.
Change to lace carriage and T 4. Knit 1 row to the left to program pattern.
Using another ravel cord knit all needles back to A position except the two next to the carriage. Knit to the right.
RC000. Release card and knit to the left. *Pull ravel cord, putting 1 st back to work next to the 2 already working. Knit 2 rows.* Continue from * to * until all needles are working, remembering to move edge pin as you increase. End with carriage on left.

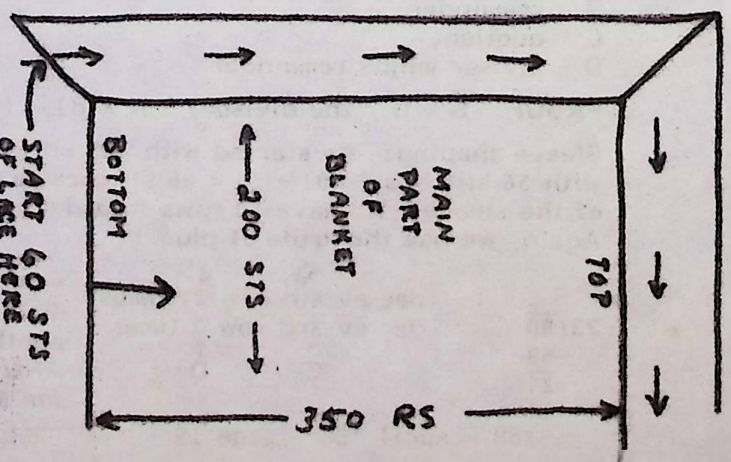
RC000.
Starting at the lower left hand corner with wrong side of main blanket part facing you, hang the first loop st on the first needle opposite the carriage. Knit two rows. Hang the next loop st (never hang knot sts). Continue in the lace pattern and seaming as you knit up to the next corner. Knit one row to the left. RC351.

RC000. Work mitred corner: with ravel cord work one needle back to A position opposite the carriage then knit 2 rows. Put the next needle to A and knit 2 rows (keep moving edge pin). Continue in this fashion until 2 needles remain in work. Now, reverse the action putting 1 needle back to work and knitting 2 rows until all needles are in work and RC232.

RC000.
Working across the top of the blanket into scrapped off stitches:
* Hang onestitch. Knit 1 row. Hang one stitch. Knit 2 rows.* Repeat from * to * to the other corner. RC300.

Mitre this corner as the last and continue around the entire blanket to the last corner.

At the last corner, mitre it down to the two stitches but do not come back out. Pull ravel cord, putting all needles back to work position. Turn with the garter bar. Hang stitches from the starting point on top. Bind off.



Sylvia Stewart
R.D.#5, Box 138
Kittanning, PA 16201
(412)548-5686

SMOCKED SWEATER WITH PEARL TRIM

Yarn: Tamm Richelene, about 14 oz.
Gauge: T 3 9 sts & 12.5 rs = 1" NOTE: The front of the sweater is knitted at tension 4. All other parts are done at tension 3.
Bust sizes: 32,34,36,38,40,42"

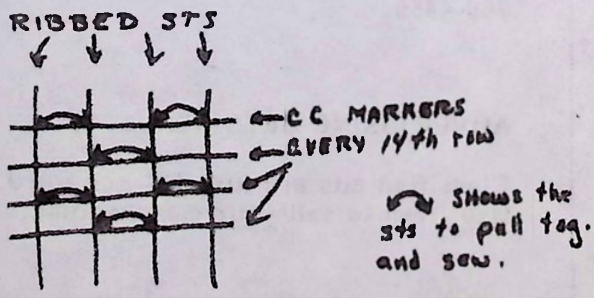
FRONT
RC000. Cast on 148,158,166,174,184,192 sts for 1x1 rib. T 2/2 k even for 24 rows. Set up pattern so that only every fifth needle is in work on the ribber, and the four stitches between each fifth ribber stitch are on the main bed. T 4 knit to row 168,170,172,174,178.
RC000. Bind off 12 stitches each side, then dec 1 st each side EOR 4,7,8,11,15, 18 times. Knit to row 52,54,56,58,60,60. Put the center 54 needles in HP. Working one side at a time, place 1 needle in HP at the neck edge EOR 5x. Place all these in HP and repeat neck shaping on the other side. Transfer EOS for 1x1 rib. T 2/2 knit even for 18 rows. T 10/10 knit 1 row. Transfer all sts to the main bed. Break yarn and cast off.

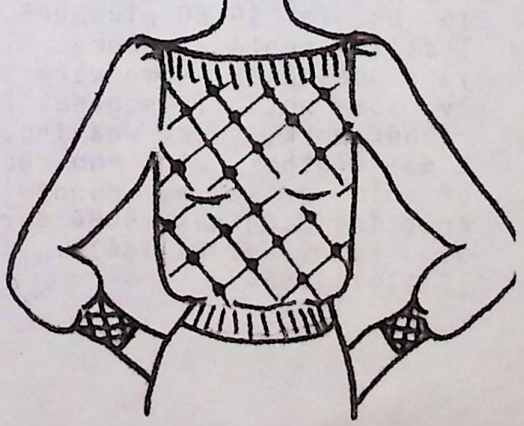
BACK
Cast on and work ribbing as for front. Transfer all sts to main bed. T 3 knit even to row 190,194,194,198,198,202.
RC000. Bind off 12 stitches each side, then dec 1 st each side EOR 4,7,8,11,15, 18x. Knit to row 72,76,78,78,82,82. Transfer for 1x1 rib. T 2/2 knit even for 18 rows. T 10/10 knit 1 row. Transfer all sts to the main bed. Break yarn and cast off. Join shoulder seams, leaving an opening for head.

SLEEVES
Cast on 130,136,140,140,144,144 sts with scrap and ravel cord. RC000. With main yarn knit to the desired length (see below), increasing 1 stitch each side of every 14th row 12 times:

18" length: row 176 19" length: row 188 20": row 200 21": row 212.
Shape cap by putting 1 needle in HP every row 36 times at the carriage side. Take off on garter bar and lay aside. Wrong side facing you, pick up 124,130, 134,134,138,138 sts along one armhole. Rehang sleeve sts from garter bar on top, having 4 sleeve sts on each of the center 10 needles. Bind off.
Cuff: Rehang bottom edge, decreasing to correct size (there is very little give in this cuff, so if in doubt, use the next larger size):
6"=54 sts 7"=64 sts 8"=72 sts 9"=82 sts. Knit 1 row then transfer stitches for smock rib pattern. T 4 knit 44 rows. T 10/10 knit 1 row. Transfer sts to main bed. Break yarn and cast off.

FINISHING
Use a contrast color thread to mark every 14 rows across the front. Gather every alternate set of stitches at the marked rows to form diamonds and hand sew a small pearl or other bead at each gather.





CARDINAL YARNS STUDIO YARNS

DREDA HILL KNITS
7106 Leader
Houston, TX 77074

Retail Wholesale

Complete color card: $2.00

Dealer inquiries invited. Please include business card and tax number.

A couple of words about our VHS tapes:

1) They are "generic", that is, they can be used with any brand of knitting machine.

2) As they become available, each tape will sell for $49.00.

3) Each tape will be two or more hours in length.

4) The material will be progressive.

CLASSIFIED ADS

Thousands of pounds of yarn from 31 cents an ounce. Great bargains. Wools and acrylics. Clearance sale on many items. Send SSAE with 2 stamps for FREE samples to: Bonnie's Knitting Machines, 5694 Garwood Street, Fairview, PA 16415. (814)474-3554. Dealer prices available.

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√ KNIT KING KNITTING MACHINES - J.T. Craft Studio, 26 Bailey Street, Worcester, MA 01602. (617)754-8175.

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STUDIO SR150 Chunky Ribber. $225.00 plus shipping. Used once! The Yarn Basket, 238 Penna. Ave. W., Warren PA. (814)723-7363

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BACK BY POPULAR DEMAND: 15 lbs. for $9.60 plus UPS. That's 4 cents an ounce! This yarn does bias, some very slightly, some not. It's great for ribber work, tuck, weaving, hats, kids' clothes, etc. No choice of color or style. Bonnie's Knitting Machines, 5694 Garwood St., Fairview, PA 16415. (814)474-3554.

√ SINGER MACHINES - Jane Godshall, 318 S Main St., Hatfield, PA 19440. (215)362-8631.

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TOYOTA 901 machines, new and demos. GENIE CH1800 with ribber, excellent condition - $200.00 excluding shipping. B. Simon, 5614 Lynne Drive, McCalla, AL 35111. (205)477-5576.

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GRAB BAG SPECIAL: 20 lbs. for $35.00 plus UPS. No choice of color or style. Does not bias. All full size cones. Mostly 2/24 acrylics. Bonnie's Knitting Machines, 5694 Garwood Street, Fairview, PA 16415. (814)474-3554.

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√ BROTHER, STUDIO, TOYOTA machines. Lois Saltzman, 16847 Foothill Avenue, North Edwards, CA 93523. Phone (619) 769-4455.

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